

Nuclear Material Stabilization and Disposition (RL-0011)

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Finishing Plant Closure Project/
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***241-Z Cell D6
process piping removal***



***Completed final shipment
sodium bonded fuel pins***



Overview

This section addresses work in Project Baseline Summary RL-0011, *Nuclear Material Stabilization and Disposition*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of December 2006.

Notable Accomplishments

Disposition the Plutonium Finishing Plant (PFP) Facility

- Shipped the final T-3 cask containing the remaining 40 sodium bonded fuel pins to FFTF
- The 241-Z RCRA closure certification was approved by RL and forwarded to Ecology on December 20, 2006
- Installed the remaining 8 vertical grating reinforcement posts (total of 13) in Cell D6
- Removed approximately 540 lbs of Cell D6 process piping in 241-Z bringing the overall process piping removal to 49 percent complete
- Isolated service piping to glovebox 179-12 and process air and water to glovebox 179-9
- Designed a SWB sleeve to allow container inspection during the loading of the SWBs
 - Required for visual examination of the TRU nonstandard containers

FY 2007 Funds vs. Spend Forecast (\$M)

	Projected FY 2007 Funding	FY 2007 Fiscal Year Spend Forecast	Variance
Nuclear Materials Stabilization & Disposition	\$ 99.7	\$ 98.2	\$ 1.5

FY 2007 Schedule/Cost Performance (\$M)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Nuclear Materials Stabilization & Disposition	\$20.7	\$19.6	\$21.6	-\$1.1	-5.4%	-\$2.0	-10.1%	\$85.3

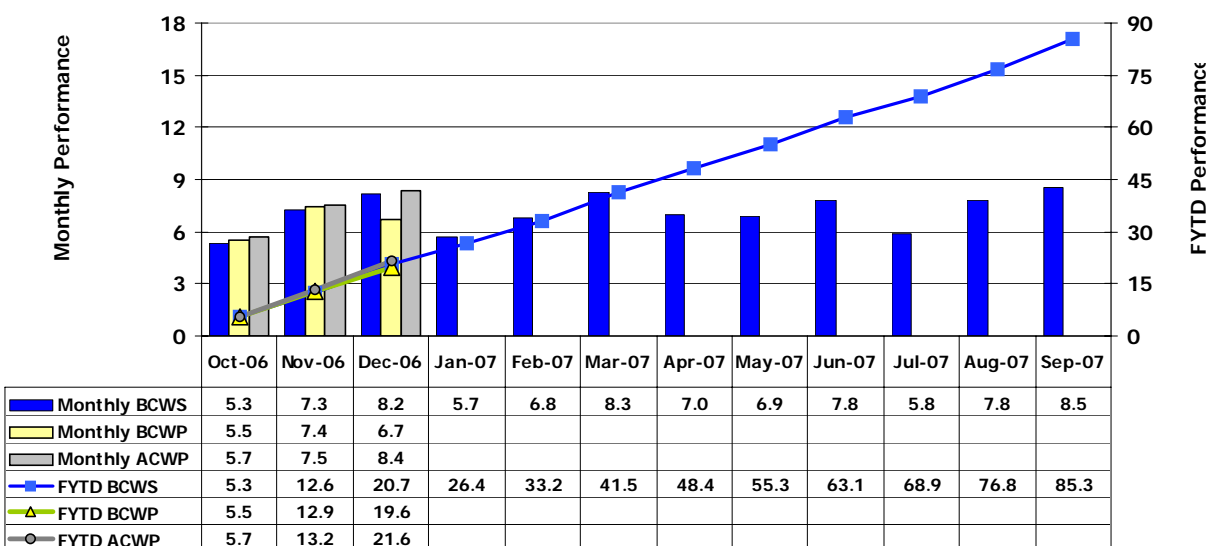
Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

FY 2007 Schedule/Cost Performance (\$M), continued

Schedule Performance: (-\$1.1M/-5.4%): Current schedule variance is within threshold. Negative schedule variance is due to two-year delay of Special Nuclear Material De-Inventory. A Baseline Change Request (BCR) has been submitted to DOE for approval to replan the execution of the de-inventory scope of work.

Cost Performance: (-\$2.0M/-10.1%): Current cost variance is within threshold. The negative cost variance associated with the inability to claim progress on scope that is authorized but not yet in the baseline is partially offset by efficiencies in glovebox planning and cleanup.

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
TRP-06-533	RCRA Closure Activities Completed For Each 241Z Cell With RCRA Permitted Tanks	PI	10/30/06	10/26/06		Complete
TRP-06-537	234-5Z Roof Repair Completed	PI	3/31/07	9/28/06		Complete
TRP-07-501	Complete Internal Cleanout of Eight Gloveboxes by September 30, 2007	PI	9/30/07		9/30/07	On Schedule
TRP-07-502	Operator Certification and Professional Engineer Certification on the RCRA 241-Z Closure Submitted to DOE	PI	3/30/07		12/8/06	Ahead of Schedule
TRP-07-503	241-Z Transitioned to Demolition Ready Condition	PI	6/30/07		3/5/07	Ahead of Schedule
TRP-07-504	241-Z Demolished to Slab-On-Grade	PI	9/30/07		6/30/07	Ahead of Schedule
TRP-08-004	Removal Action Work Plan for the 216-Z-9 Crib Complex Submitted to DOE	PI	9/30/08		9/30/08	On Schedule
TRP-08-005	Implement the Necessary Lay-up Activities to Place PFP in a Safe Configuration Until D&D Resumes	PI	9/30/08		9/30/08	On Schedule
TRP-08-025	Complete 216-Z-9 Facility Condition Analysis by 30 September 2008	PI	9/30/08		11/30/07	Ahead of Schedule
TRP-11-502	Complete Closure of the PFP 241-Z TSD Unit	PI	9/30/11		2/8/07	Ahead of Schedule
TRP-11-503	Complete Transition and Dismantlement of 241-Z Waste Treatment Facility	PI	9/30/11		6/30/07	Ahead of Schedule